SPECTRUM
SIGNAL PROCESSING

Extending the CF Inside the Modem Architecture

flexComm
building blocks for
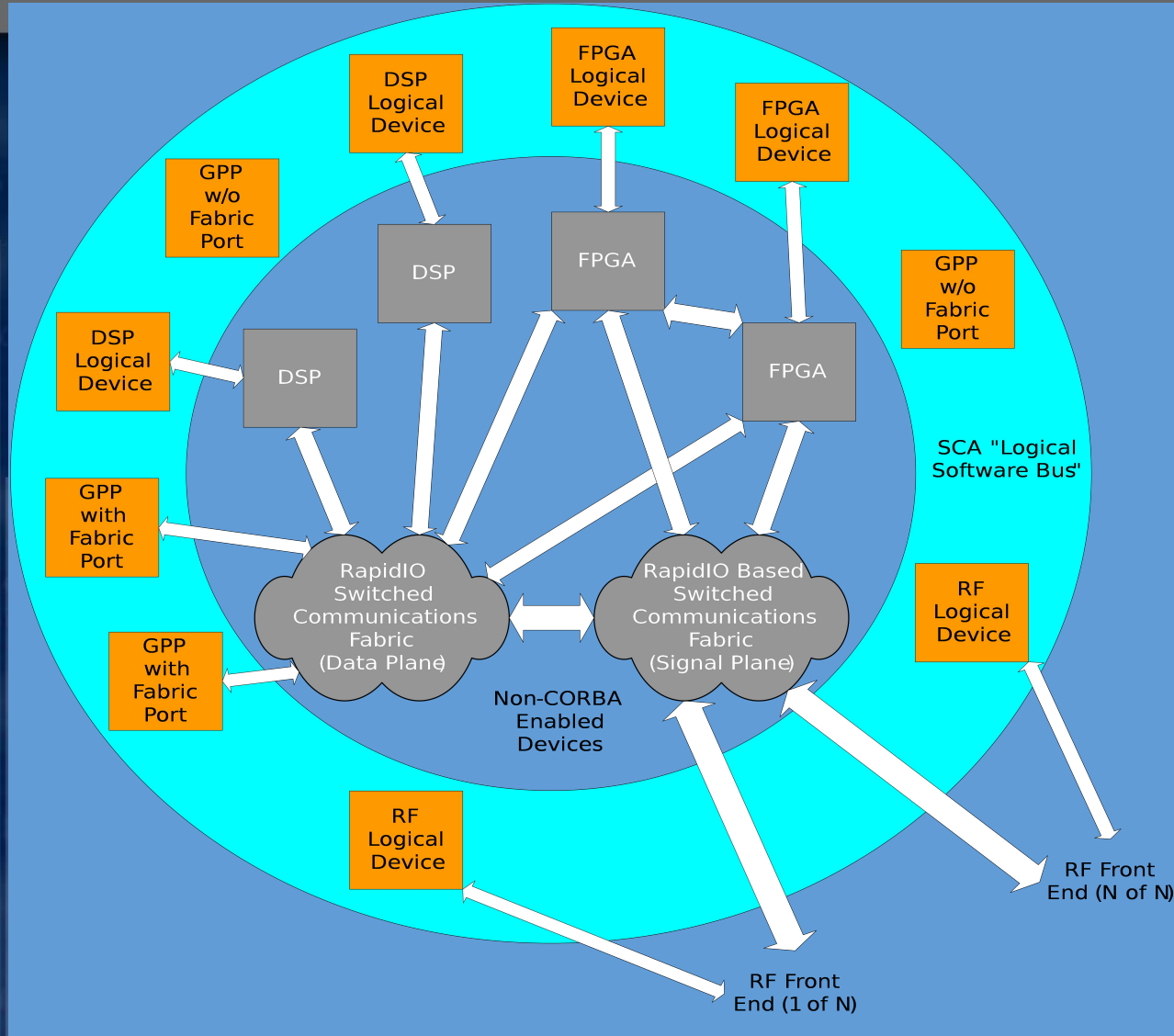software reconfigurable platforms

Why is Spectrum Here?

By the very nature of what we do, Spectrum has developed significant technologies in the areas of both code portability and inter-processor communications to enable our customers to accelerate their signal processing applications development.

- Including a significant investment in extending the SCA core framework inside of the modem architecture as a standards based application framework

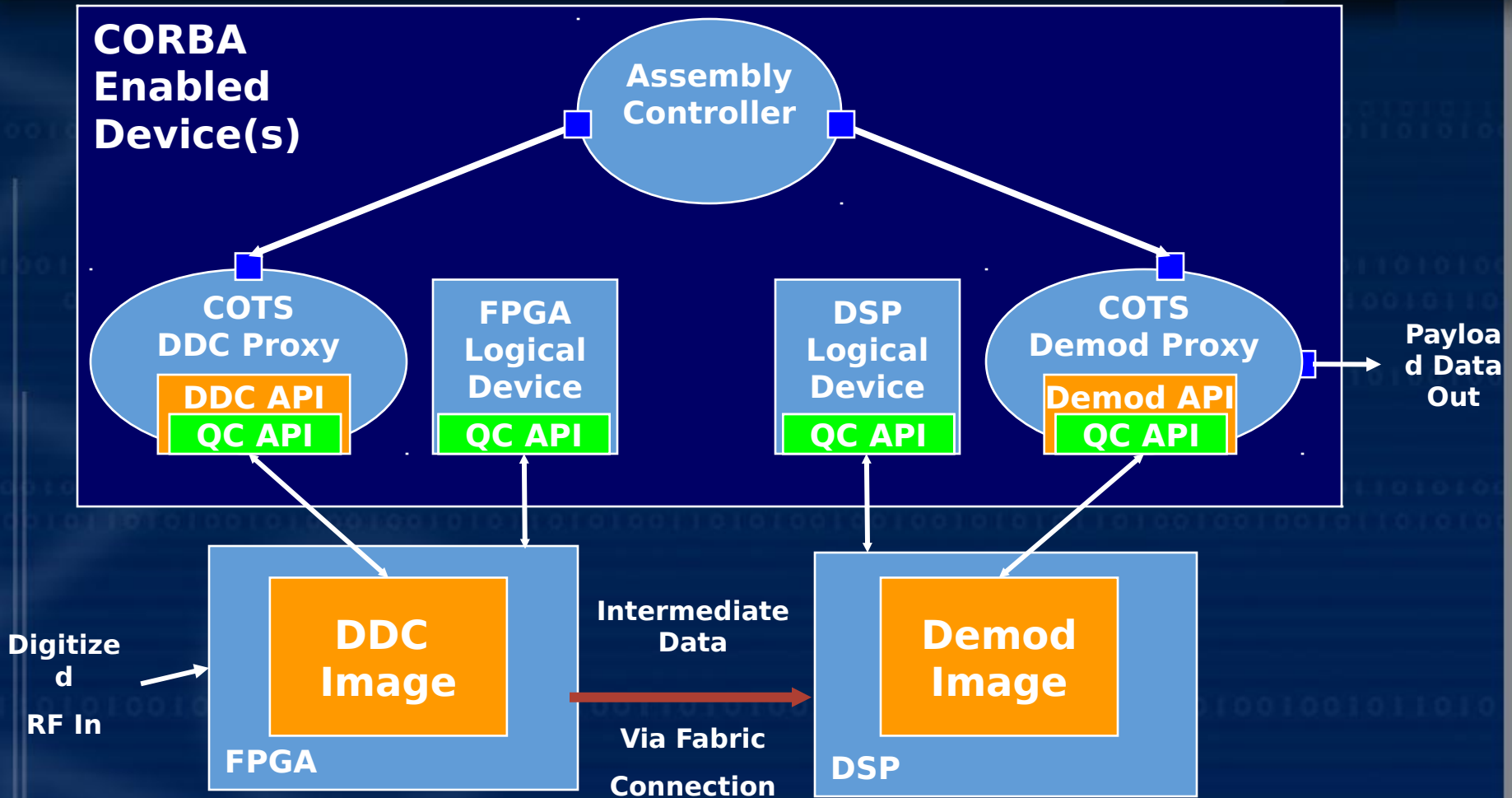Spectrum believes it is our best interest to transfer some of these technologies to the US DoD

- The more standardized these technologies become, the larger the incentive to adopt COTS versus utilize proprietary solutions

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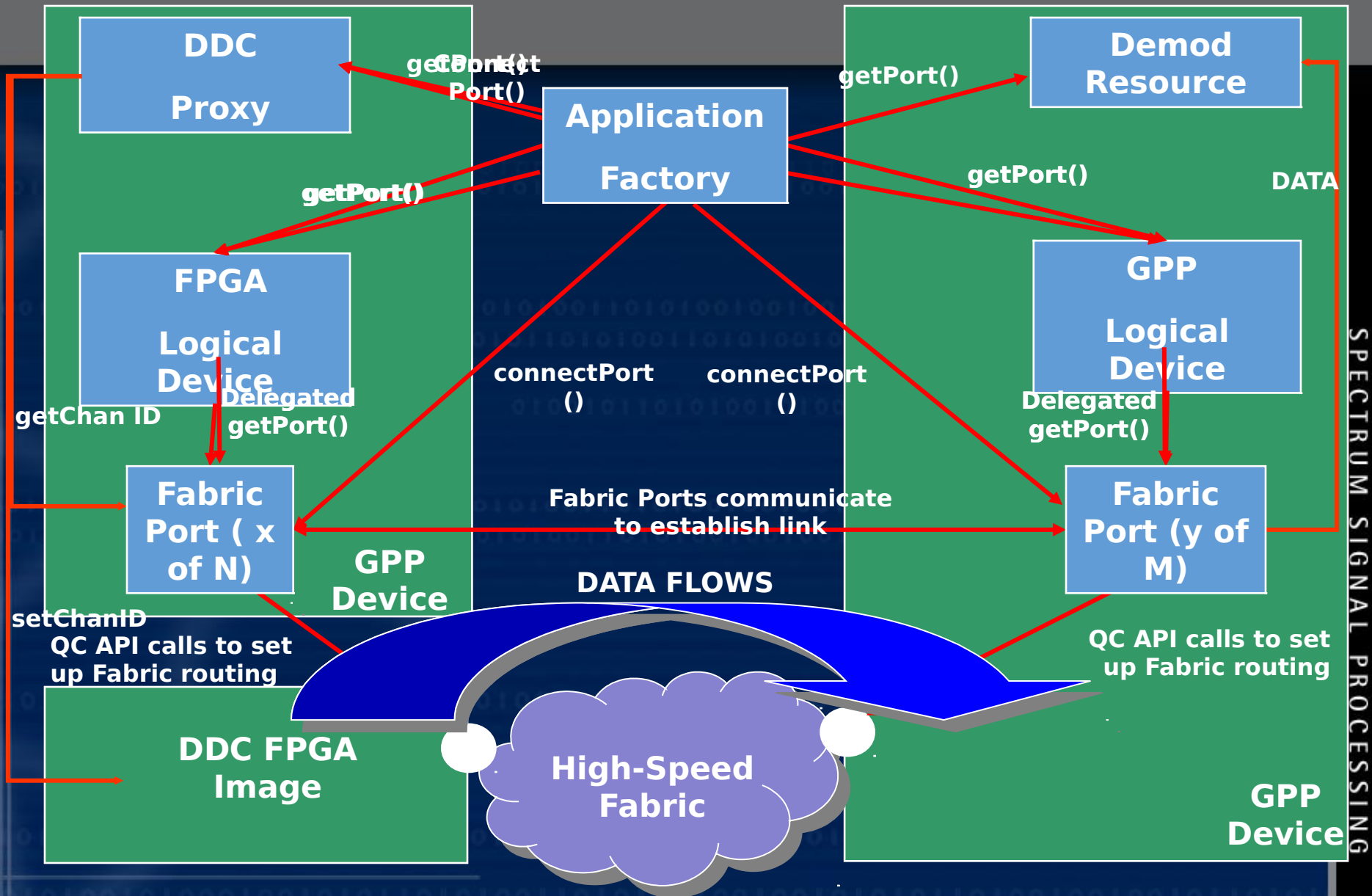# Shared vs. Dedicated Resource Processing within the Modem Architecture

The SDR-3000 Platform Utilized By JTeL Follows This Architectural Model

Capacity Allocation and Component Deployment Within This Model

Connecting to The Fabric: Waveform Example

Extending the quicComm Architecture Inside the FPGA